

# METAL SPECIALTIES



MAIN OFFICE & FACTORY  
2947-51 Carroll Avenue  
CHICAGO, ILLINOIS

NEW YORK, N. Y.  
Frederick Pfeiffer  
79 Barclay Street

SALES OFFICES IN  
PRINCIPAL CITIES

ANCHORS	
Lead Expansion .....	7
Steel Expansion .....	6
BRACKET SUPPORT, new work..	8
BX STAPLES .....	10
CLAMPS, Cable .....	10
CONDUIT CLAMPS .....	10
HANGERS	
Iron Perforated .....	11
Ring and Bolt .....	10
LAG SCREW, Flattened End....	10
OUTLET BOX and FIXTURE HANGER .....	5
RADIATOR BRACKET, Adjustable .....	9
ROD, Threaded .....	10
PIPE HANGER, Adjustable Combination .....	10
PIPE HOOKS .....	11
PIPE STRAPS .....	10
ROMEX STRAPS (1 and 2 hole)..	10
SPRINKLER PIPE HANGER.....	5
STAR DRILLS .....	11
SWITCH BOXES, Sectional.....	8
TOGGLE BOLTS	
Spring Wing .....	3
PB One-Piece .....	4

# FOR INDUSTRY



# HUNDREDS OF USES FOR PAINE ANCHORING DEVICES IN INDUSTRY



Lavatories



Drinking fountains



Toilet tanks



Shower hand-rails



Lighting fixtures



Door bells



Shelving



Thermostats



Baseboard and chair rails



Mirrors

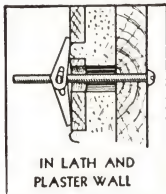


Telephone boxes  
—and hundreds  
of other uses

Uses for Paine Toggle Bolts and Expansion Anchors are practically unlimited in number. The experienced builder finds innumerable ways to use them, speeding up work, insuring permanence and lowering costs. They are the

satisfactory, money-saving anchorage . . . secure, permanent . . . and so simple to use that no special skill or training is required to install them.

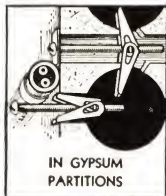
## Paine Toggles Work Instantly . . . In Any Position . . . In Any Hollow Place



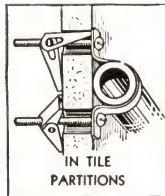
IN LATH AND PLASTER WALL

Long and close contact with Architects' and Builders' requirements has produced Paine Toggles . . . great adaptability . . . easy to use, and providing a secure, permanent anchorage.

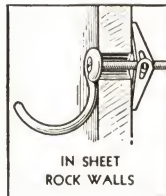
Your anchoring problem finds its sensible solution in the use of Paine Toggle Bolts. More than 25 years ago, Paine invented and marketed the first spring wing toggle. On the two pages following, you will find illustrated, with specifications, the many styles and sizes of Paine Toggles that are immediately available from stock. There is a style and size of Paine Toggle for every purpose . . . each of them backed by the Paine guarantee of consistently highest quality, correct design and greatest possible value.



IN GYPSUM PARTITIONS



IN TILE PARTITIONS



IN SHEET ROCK WALLS

PAINE MAKES THE TOGGLE  
THAT WORKS IN MACHALITE AND GYPSUM

## Paine Invented the Original Spring Wing Toggle Bolt

Consult with us on your special toggle problem. We will work with you in developing its satisfactory, efficient and economical solution.



### The Spring Does It

Holding the toggle head in open position—and lying flat along the underside of the toggle head—is a spring.

The two wings are easily compressed with the fingers. As soon as the toggle head is through the bolt hole, this spring causes the toggle to fly open—ready for tightening.

### Standard Toggle

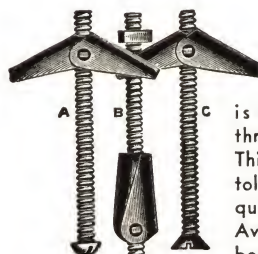


Fig. 123

The standard toggle head is attached to the bolt by means of a trunnion nut. As the bolt is tightened, it is drawn through the trunnion nut. This provides a wide working tolerance and cuts stock requirements to a minimum. Available in seven standard bolt sizes and eight bolt head styles.

### Riveted-On Toggle

The flattened bolt end is riveted to the toggle. This type of spring wing toggle is specially designed for heavy duty in such materials as tile, steel ceilings and metal lath. Paine riveted-on toggle bolts are supplied regularly in two bolt sizes only— $\frac{1}{8}$  and  $\frac{3}{8}$  inch diameter.

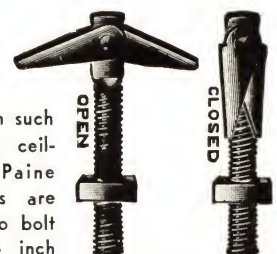


FIG. 125

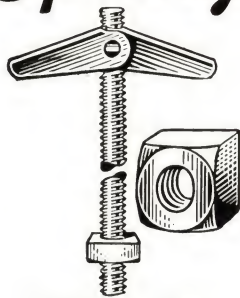


# PAINE *Spring Wing* TOGGLE BOLTS <sup>16</sup>/<sub>53</sub>



**ROUND HEAD**  
Style A

Spring wing, trunnion nut type. Bolt threaded full length. Has round head.



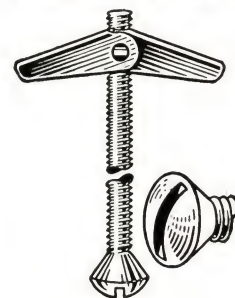
**THREADED WIRE—  
SQUARE NUT**  
Style B

Spring wing, trunnion nut type with threaded wire bolt. Square nut.



**FLAT HEAD**  
Style C

Spring wing, trunnion nut. Bolt is threaded full length. Flat head.



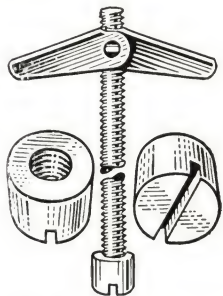
**OVAL HEAD**  
Style D

Spring wing, trunnion nut type. Threaded full length. Oval counter-sunk head.



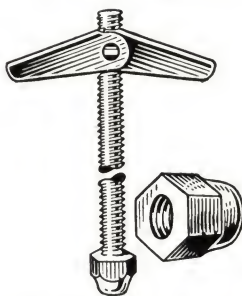
**BUTTON HEAD**  
Style E

Spring wing, trunnion nut type. Bolt is threaded full length. Sometimes called mushroom head.



**N. P. FILLISTER CAP  
NUT**  
Style F

Spring wing, trunnion nut type. Bolt threaded full length. N. P. Fillister Cap Nut.



**N. P. HEXAGON CAP  
NUT**  
Style G

Spring wing, trunnion nut type. Bolt threaded full length. N. P. Hexagon Cap Nut.



**SPECIAL EYE TOGGLE  
WIRE THREAD WITH  
LOOP**  
Style H

Spring wing type for special work in materials such as tile, steel ceiling and metal lath. Has looped round head.



**SPECIAL RIVETED-ON  
TOGGLE WITH  
SQUARE NUT**

Spring wing toggle is riveted on to flattened end of threaded wire bolt and fitted with square nut.

Specially designed for heavy duty.

## SPECIAL SHAPES

Extra lengths, or special shaped bolts supplied promptly and at low cost. Write giving detail of your requirements for expert recommendations without obligation to you.

## SPECIALS from Stock

Cadmium plated steel—or brass toggle heads with choice of steel or brass bolts. Chromium, nickel, hot dipped galvanized or other standard finishes.

# Specifications

FIG. 123

Bolt Diameter	Bolt Length, in.	Wire Gauge Threads per Inch	Drill Hole, in.	Spread of Wings, in.	Weight per 100, lb.
1 8	1/8 x 1 1/2	6-32	3/8	1 5/16	1 1/4
	1/8 x 2				1 1/4
	1/8 x 2 1/2				1 1/2
	1/8 x 3				1 1/2
5 32	5/32 x 4	6-32	3/8	1 5/16	1 7/8
	5/32 x 4 1/2				2
	5/32 x 5				2 1/2
	5/32 x 6				2 3/4
5 32	5/32 x 2	8-32	7/16	1 7/16	2
	5/32 x 2 1/2				2 1/8
	5/32 x 3				2 1/4
	5/32 x 3 1/2				2 1/2
3 16	3/16 x 4	8-32	7/16	1 7/16	2 3/4
	3/16 x 4 1/2				2 7/8
	3/16 x 5				3
	3/16 x 6				3 1/4
3 16	3/16 x 2	10-24	1/2	1 5/16	3 1/4
	3/16 x 2 1/2				3 1/2
	3/16 x 3				3 3/4
	3/16 x 3 1/2				4
3 16	3/16 x 4	10-24	1/2	1 5/16	4 1/2
	3/16 x 4 1/2				4 3/4
	3/16 x 5				5 1/8
	3/16 x 6				5 3/4
1 4	1/4 x 7	10-24	1/2	1 5/16	6 1/4
	1/4 x 8				7 1/2
	1/4 x 9				8 3/4
	1/4 x 10				9 3/8
1 4	1/4 x 2 1/2	1/4-20	19/32	2	5 7/8
	1/4 x 3				6
	1/4 x 3 1/2				6 1/2
	1/4 x 4				7
1 4	1/4 x 4 1/2	1/4-20	19/32	2	7 3/4
	1/4 x 5				8 1/4
	1/4 x 6				9 1/4
	1/4 x 7				10
1 4	1/4 x 8	1/4-20	19/32	2	10 1/2
	1/4 x 9				11
	1/4 x 10				12

FIG. 123

Bolt Diameter	Bolt Length, in.	Wire Gauge Threads per Inch	Drill Hole, in.	Spread of Wings, in.	Weight per 100, lb.
5 16	5/16 x 3	5/16-18	13/16	2 3/8	10
	5/16 x 3 1/2				11
	5/16 x 4				11 1/2
	5/16 x 5				13 1/2
3 8	3/8 x 6	5/16-18	13/16	2 3/8	15 1/2
	3/8 x 7				16 1/2
	3/8 x 8				17 1/4
	3/8 x 10				19
3 8	3/8 x 3	3/8-16	7/8	2 3/4	12 1/2
	3/8 x 3 1/2				13 3/4
	3/8 x 4				15
	3/8 x 5				17 1/2
1 2	1/2 x 6	3/8-16	7/8	2 3/4	20
	1/2 x 8				26
	1/2 x 9				29
	1/2 x 10				32
1 2	1/2 x 4	1/2-13	1 1/8	3 1/2	30
	1/2 x 5				35
	1/2 x 6				39
	1/2 x 7				43
1 2	1/2 x 8	1/2-13	1 1/8	3 1/2	47
	1/2 x 9				51
	1/2 x 10				
	1/2 x 11				

RIVETED-HEAD SPRING WING TOGGLE Fig. 125

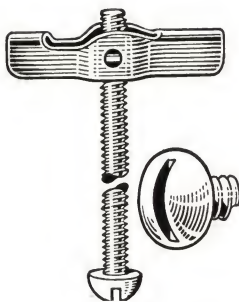
Diam. Bolt Length, in.	Drill Hole in.	Spread of Wings, in.	Wt. per 100, lb.
5/16 x 3	5/8	2 1/4	10
5/16 x 4	5/8	2 1/4	11 1/2
5/16 x 5	5/8	2 1/4	13 1/2
5/16 x 6	5/8	2 1/4	15 1/2
3/8 x 3	5/8	2 1/4	12 1/2
3/8 x 4	5/8	2 1/4	15
3/8 x 5	5/8	2 1/4	17 1/2
3/8 x 6	5/8	2 1/4	20

## STANDARD PACKING UNITS

1/8 and 3/16-in. Toggle Bolts packed in cartons of 100 each. 3/16, 1/4, 5/16 and 3/8-in.; cartons of 50. 1/2-in.; cartons of 25. All Toggle Bolts Cadmium Plated. Style A furnished unless otherwise specified.

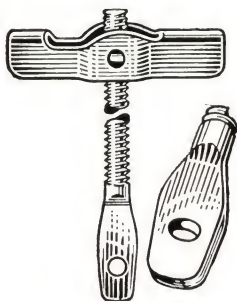


# PAINE "PB" ONE PIECE TOGGLE BOLTS



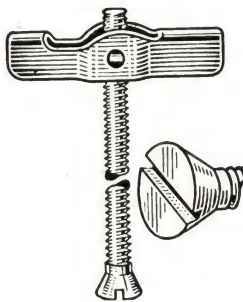
**ROUND HEAD**

Type No. 2—Style A  
One piece, trunnion nut type threaded full length having round head.



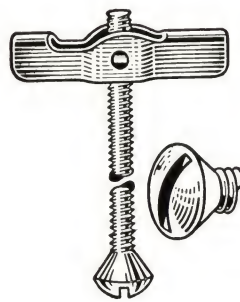
**SPECIAL FLATTENED END TOGGLE**

Type No. 2—Style X  
Threaded wire with perforated flat end. One piece, trunnion nut type.



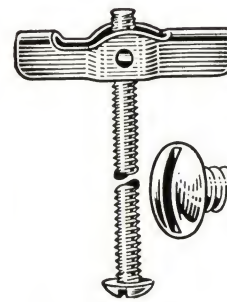
**FLAT HEAD**

Type No. 2—Style C  
One piece, trunnion nut. Bolt is threaded full length and has flat head.



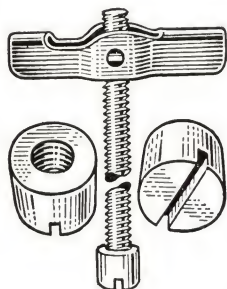
**OVAL HEAD**

Type No. 2—Style D  
One piece, trunnion nut type with bolt threaded full length. Oval countersunk head.



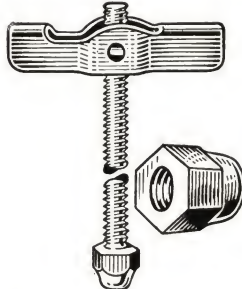
**BUTTON HEAD**

Type No. 2—Style E  
One piece, trunnion nut type with bolt threaded full length. Sometimes known as Mushroom Head.



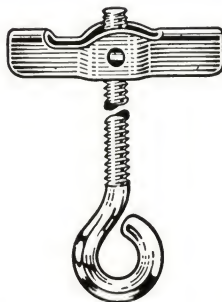
**N. P. FILLISTER CAP NUT**

Type No. 2—Style F  
One piece, trunnion nut type. Threaded wire bolt. N. P. Fillister Cap Nut.



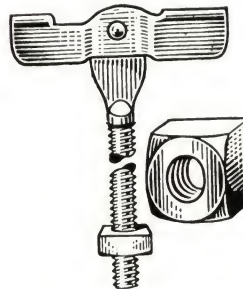
**N. P. HEXAGON CAP NUT**

Type No. 2—Style G  
One piece, trunnion nut type with threaded wire bolt. N. P. Hexagon Cap Nut.



**SPECIAL EYE TOGGLE**

Type No. 2—Style H  
One piece, trunnion nut type threaded full length with eye head.



**RIVETED-ON TOGGLE SQUARE NUT**

Type No. 1  
Toggle is riveted on to flat end of threaded wire which has square nut on other end.

## SPECIAL SHAPES

Extra lengths or special shaped bolts supplied promptly and at low cost. Write, giving detail of your requirements, for expert recommendations without obligation to you.

## Specifications

Both Type No. 1 and Type No. 2 offer the special advantages of equal holding surface on each end of toggle.

One-Piece Toggle Bolts (all types) are not recommended for overhead work, and where space is limited.

### Type No. 1 • Riveted-On Head • Square Nut

Has the toggle riveted to a flattened bolt end, insuring smooth instantaneous pivot action up and down. One end of the toggle is heavier than the other causing the toggle to fall into closed position for easy insertion. Then, simply by turning the bolt one half turn, the toggle opens for a secure anchorage. Style of head for No. 1 type threaded wire with square nut.

REGULAR STOCK, CADMIUM PLATED

TYPE NO. 1

Bolt Size, in.	Drill Hole, in.	Approximate Wt. per 100, lb.	Bolt Size, in.	Drill Hole, in.	Approximate Wt. per 100, lb.
3/16 x 3	7/16	4 1/4	1/4 x 3	1/2	7
3/16 x 4	7/16	5	1/4 x 4	1/2	8 1/2
3/16 x 5	7/16	5 3/4	1/4 x 5	1/2	10
3/16 x 6	7/16	6 1/2	1/4 x 6	1/2	10 3/4

### Type No. 2 • Standard • Trunnion Nut

Balanced for easy pivot same as type No. 1; but the bolt screws into a trunnion nut at the toggle end. Note the wide selection of No. 2 styles.

BE SURE TO SPECIFY STYLE OF HEAD WANTED.

3/16, 1/4, 5/16-in. packed 50 to a carton. 3/8-in.; 25 to a carton.

Bolt Size, in.	Drill Hole, in.	Approximate Wt. per 100, lb.	Bolt Size, in.	Drill Hole, in.	Approximate Wt. per 100, lb.
3/16 x 3	9/16	4 1/4	5/16 x 3	3/4	11 1/4
3/16 x 4	9/16	5	5/16 x 4	3/4	13 1/2
3/16 x 5	9/16	5 3/4	5/16 x 5	3/4	14 3/4
3/16 x 6	9/16	6 1/2	5/16 x 6	3/4	16
1/4 x 3	5/8	7	3/8 x 3	7/8	14
1/4 x 4	5/8	8 1/2	3/8 x 4	7/8	17 1/2
1/4 x 5	5/8	10	3/8 x 5	7/8	21
1/4 x 6	5/8	10 3/4	3/8 x 6	7/8	24 1/2

## PAINE SPRINKLER PIPE HANGER

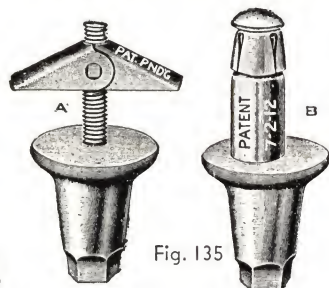
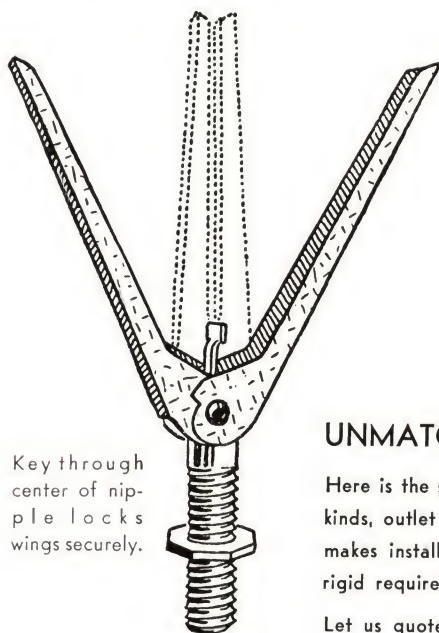


Fig. 135

A Malleable Ceiling Plate with either Spring Wing Toggle Bolt or No. 1 Type Steel Expansion Anchor. Assembled ready for the job before leaving factory. Made in two sizes: for 3/8 and 1/2-in. rods.



# Paine Outlet Box and Fixture Hanger 16 53



Key through center of nipple locks wings securely.

Fig. No. 400

## SPECIFICATIONS

The Paine Outlet Box and Fixture Hanger consists of two wings, each mounted on a  $\frac{3}{8}$ -inch nipple which is  $2\frac{1}{4}$  inches long. Through the center of the nipple is a key which locks the wings when they are in open position. The nipple is fitted with a lock-nut to hold the outlet box against wall or ceiling. The wings are  $5\frac{1}{2}$  inches long, providing 11 inches of holding surface when open. They may be installed in an opening as small as  $1\frac{1}{8}$  inches in diameter.

Approved by Underwriters' Laboratories, U. S. A., and Hydro-Electric Power Commission, Canada

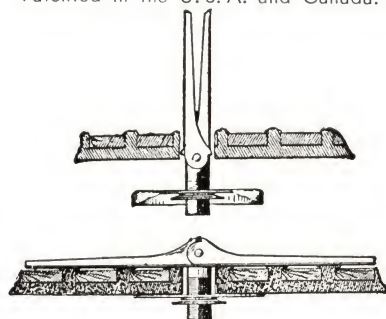
This is the easiest to use and the *most efficient hanger of its type ever invented*. It is ideally adapted for work in tile, metal ceiling, and lath and plastered walls and ceilings. This type Paine Hanger is far in advance of any other from the standpoints of speedy installation, labor saving and convenience.

## UNMATCHED FOR RUGGEDNESS AND ALL-AROUND EASE OF USE

Here is the secure, easy to use and entirely satisfactory device for attaching ceiling fans, fixtures of many kinds, outlet boxes, etc., to both new and old work in metal, tile, lath and plastered walls and ceilings. It makes installation quick. Staunch and sturdy, it is designed and manufactured to comply with the most rigid requirements.

Let us quote on special hangers. We will supply them at a cost that is surprisingly small.

Patented in the U. S. A. and Canada.



Attach the article to be hung to hanger *before inserting in wall or ceiling*. Saves much overhead work, time and money.

When attaching outlet boxes, the Paine Hanger may be attached to the outlet box before placing in position through the wall or ceiling. This saves working strain and time. To remove the Paine Hanger, simply insert a screwdriver through the nipple to raise the locking key. This permits the wings to fold and the hanger to be removed. The Paine Hanger is patented in the United States and abroad.

Standard Packing Units: 6 boxes (300 hangers) to a shipping case. Shipping weight per 100 hangers: 30 pounds.

USE  
PAINE  
ENGINEERING  
AND  
SPECIAL  
SERVICE  
DEPARTMENT

## Profit by Paine Experience

Paine leadership has been built from the outset by our reputation for highest quality products, utmost efficiency and greatest economy. The modern Paine plant, housing modern manufacturing equipment and a carefully selected staff of engineering and manufacturing executives, logically can effect savings for you with every assurance of lasting satisfaction.

**IMPORTANT**—Our outstanding position in this field and our long, closely applied experience should prove invaluable to you in arriving quickly at a practical solution of any anchoring problem that is out-of-the-ordinary.

## Consultation Does Not Obligate You

Our consultation service, consisting of expert recommendation and definite estimate of cost places you under no obligation whatever.

You will be pleased with our prompt, thoroughgoing attention to your communication . . . and we shall be pleased with the privilege of serving you.



# PAINE STEEL EXPANSION ANCHORS

FOR USE IN CONCRETE, BRICK, STONE, SLATE, MARBLE  
AND SIMILAR SOLID MATERIALS

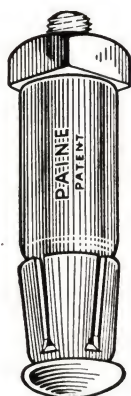


Fig. No. 925

## TYPE No. 1

Illustration at left shows Type No. 1. It is made of heavy gauge stamped steel and consists of a sleeve (upper part) and a cup (lower part). It is used with a carriage bolt, with the bolt-head at the bottom of the hole. The square shoulders at the head of the bolt fit the square hole in the cup.

*No turning of the bolt while being tightened.*

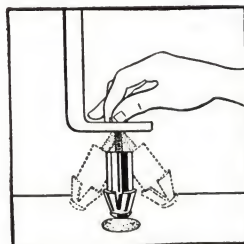
## TYPE No. 2

The type as shown at the right consists of any specified style machine screw or square head machine bolt and a threaded expansion cup. As the screw or bolt is tightened, the four cup jaws spread outward and upward . . . to hold as long as the bolt or the material lasts. In this type of Paine Steel Expansion Anchor, the bolt does not need to be cut off for a workmanlike, finished job.



Fig. No. 930

## Strong and Enduring as the Material in Which They Are Set



Attach the anchor loosely to object to be anchored.

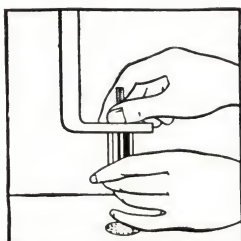
### No Setting Tool Is Needed

Merely insert the bolt through the article to be anchored and tighten the nut or cup (type 1 or 2) with the fingers. Then place in position and tighten firmly. Hole need not be exact in depth.

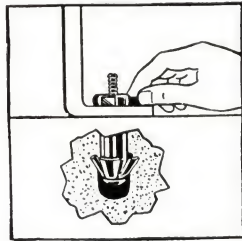
Paine Steel Expansion Anchors *fasten anything securely* to concrete, brick, tile, slate, marble and stone. Their expansion area is the largest of all expansion anchors. Their anchorage is on the sides of the hole, so they are equally effective in bottomless or exact depth holes.

## MAY BE USED OVER AND OVER AGAIN

This is another *exclusive* Paine feature. The four jaws of the cup expand as the nut or bolt is tightened . . . and their holding power is equal to the strength of the bolt or the material in which the anchor is set. Yet, when the fixture is removed, it is only necessary to work the bolt from side to side to bend the jaws back to their original position, permitting the anchor to be lifted easily with the hammer claws from the hole. The anchor may be used over and over again.



Tighten with fingers as tight as possible. Drop into hole in material.



Tighten with a wrench . . . and you have a permanent secure anchorage.

## SPECIFIED BY ARCHITECTS FOR

Theatre, Church, Auditorium, Grand Stand . . . or any Seating Installation.

Fire-proof Anchoring (in elevator shafts, etc.)

Vibration-proof Anchoring

Positive Anchoring (for punch presses, heavy motors, etc.)

Heat-proof Anchorage (in boiler rooms or other places where heat is excessive).

# Specifications

Type No. 1 • Fig. 925 • Cadmium Plated • Complete with Bolts

Diameter Bolt and Length, in.	Drilling, in.		Weight per 100, lb.	Diameter Bolt and Length, in.	Drilling, in.		Weight per 100, lb.
	Diam.	Depth			Diam.	Depth	
3/16 x 1 3/4	9/16	1 5/8	5	3/8-16 x 3	7/8	3	27
3/16 x 2			5 1/4	3/8-16 x 3 1/2			28 1/2
3/16 x 2 1/4			5 1/2	3/8-16 x 4			30
3/16 x 2 1/2			5 3/4	3/8-16 x 5			33
3/16 x 3			6	3/8-16 x 6			35
1/4-20 x 1 3/4	9/16	1 5/8	6 1/2	1/2 x 4	1 1/8	3 1/2	50
1/4-20 x 2			7	1/2 x 5			55
1/4-20 x 2 1/4			7 1/4	1/2 x 6			60
1/4-20 x 2 1/2			7 1/2	3/4 x 6	1 9/16	5 1/4	150
1/4-20 x 3			8 1/4				
1/4-20 x 3 1/2			9				
1/4-20 x 4			9 1/2				

These Anchors come with or without Washers, Hex. or Sq. Nuts, Hex. Standard.

Type No. 2 • Fig. 930 • Cadmium Plated • Complete with Screws

Diameter Bolt and Length, in.	Drilling, in.		Weight per 100, lb.	Diameter Bolt and Length, in.	Drilling, in.		Weight per 100, lb.
	Diam.	Depth			Diam.	Depth	
*6-32 x 1	5/16	1	2	1/4 x 3	9/16	1 3/4	8 1/2
*6-32 x 1 1/4			2 1/4	1/4 x 3 1/2			9 1/4
*6-32 x 1 1/2			2 1/2	1/4 x 4			9 3/4
*6-32 x 1 3/4			2 3/4				
*6-32 x 2			3				
*8-32 x 1	5/16	1	2 1/4	5/16 x 2	5/8	2	8 1/2
*8-32 x 1 1/4			2 1/2	5/16 x 2 1/2			9
*8-32 x 1 1/2			2 3/4	5/16 x 3			11
*8-32 x 1 3/4			3	5/16 x 3 1/2			12
*8-32 x 2			3 1/4	5/16 x 4			13
				5/16 x 5			15
				5/16 x 6			16
3/16 x 1 1/2	3/8	1 1/2	3 1/2	3/8 x 3	7/8	3	27
3/16 x 1 3/4			3 3/4	3/8 x 3 1/2			28 1/2
3/16 x 2			4	3/8 x 4			30
3/16 x 2 1/2			4 1/2	3/8 x 5			33
3/16 x 3			4 3/4	3/8 x 6			35
1/4 x 1 3/4	9/16	1 3/4	5	1/2 x 4	1 1/8	3 1/2	50
1/4 x 2			7	1/2 x 5			55
1/4 x 2 1/2			7 1/2	1/2 x 6			60

\*Brass only.

## STANDARD PACKING UNITS

6/32 and 8/32-in. packed in cartons of 100 each. 3/8, 1/4, 5/16 and 3/8-in.; cartons of 50. 1/2 and 3/4-in.; bulk package.



## MACHINE SCREW TYPE



Fig. 900

This type, shown at left, consists of a brass cone and a lead expansion sleeve. The cone of brass is knurled which eliminates turning when screw is being tightened. Entrance to the cone is counter-sunk, making it easy to start the screw.

To install, put assembly in hole with bell-end of cone down, then place setting tool (furnished free with every box of fifty anchors) on top of the lead sleeve and hit it smartly a few blows with a hammer. Now place work over the hole, insert screw bolt, tighten . . . and you have a solid, secure anchorage. Bolts and screws not supplied with anchors.

## BOLT AND NUT TYPE

Shown at the right, this anchor has four pieces: a bolt, a nut, a lead sleeve and a lead cone. Bolt and nut are heavily cadmium plated — rust resistant. Bolt head has two fins which sink in the lead sleeve and prevent turning while bolt is being tightened.

To install, remove nut and place balance of assembly in hole with head of bolt down. Place setting tool (free with every box of fifty anchors) on the lead cone and hit sharply a few times. Then place the threaded bolt end through the work, affix the nut and tighten. The telling actually takes longer than the doing.



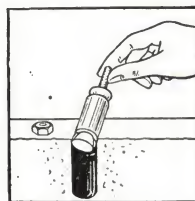
Fig. 910

## A Rust-proof and Enduring Anchorage

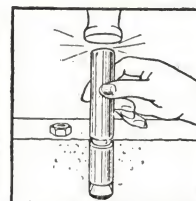
### For Use in Stone, Brick, Tile, Mosaic Marble, Glass and Similar Materials

Paine Lead Expansion Anchors are expanded in the material before the article to be anchored is placed in position. They insure a secure binding and holding surface their entire length and circumference . . . the most satisfactory device for their purpose of any anchor ever invented.

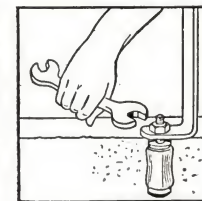
Because of their great flexibility and strength, they are the safest for use in fragile material, and also are exceptionally efficient in tougher stuff, such as stone, tile, slate and marble.



EASY TO USE—remove nut and drop balance of anchor in hole.



Expand the anchor with a few sharp taps of a hammer on the setting tool.



Put work in place, start nut on bolt—and tighten with wrench.

## CHECK WITH THESE PAINE FEATURES

**1** The right "mix" of lead and antimony in Paine Lead Anchors insures maximum strength and flexibility. This is important . . . be sure you're not losing out on this important feature.

**2** The scientifically correct "mix" in Paine Lead Anchors permits working safely in delicate, fragile material—at the same time securing a lasting, rustproof, jarproof, vibration-proof anchorage.

**3** Because Paine Lead Anchors hold the entire length as well as the complete circumference of the sleeve, they are ideal for both shallow and deep anchoring. For extra-deep anchorage, extra sleeves and cones are available.

**4** Paine Lead Anchors are correctly proportioned for greatest strength and durability. Our 25 years of leadership is built upon closely applied experience with anchoring problems in the building, plumbing and mill supply fields.

**PLUS:** The Paine Company unconditionally guarantees Paine Lead Expansion Anchors to be the very best that engineering and manufacturing skill can produce for their purpose.

# Specifications

## MACHINE SCREW TYPE • Fig. 900 • (Prices do not include screws)

Anchor Size No.	Minimum Dimensions of Holes Drilled, in.		Shipping Weight Lbs. per 1000
	Diameter	Depth	
6 — 32	1/4	3/8	7 1/2
8 — 32	7/16	1/2	15
10 — 24	3/8	5/8	22 1/2
12 — 24	6/16	3/4	34
1/4 — 20	1/2	7/8	50 1/2
5/16 — 18	5/8	1	95
3/8 — 16	3/4	1 1/4	162
1/2 — 13	7/8	1 1/2	221
5/8 — 11	1 1/8	2	512

Packed 50 or 100 in Box.

## BOLT AND NUT TYPE • Fig. 910 • (Prices complete with Bolts)

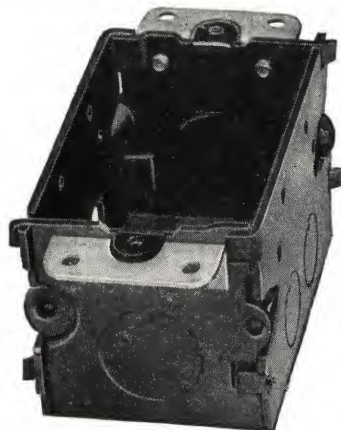
Bolt Diam., in.	Drilling, in.		Length of Bolt, in.	1 1/2	1 3/4	2	2 1/2	3	3 1/2	4	5	6
	Dia.	Depth										
1/4	1/2	1	Sh. Wt., lb.	6 3/4	7	7 1/2	8	8 1/4	9 1/4	10		
3/8	5/8	1 1/2	Sh. Wt., lb.			15	16	17 1/2	19	20 3/4	22 1/2	25
1/2	7/8	2	Sh. Wt., lb.					38 1/2		41 1/2	47	52 1/2



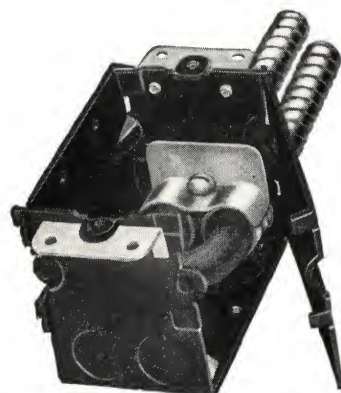
# PATENTED PAINE SECTIONAL SWITCH BOXES PATENTED

APPROVED BY UNDERWRITERS' LABORATORIES

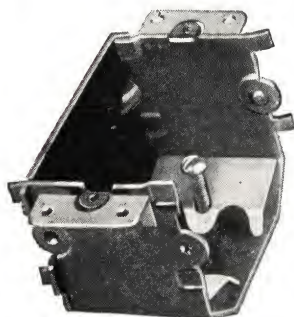
**GANGABLE**—supplied in any size or style to fit your requirements . . . Nail holes in sides — a Paine feature . . . Clamps out of way for easy insertion of cable . . . Ample wiring room . . . Bushed holes in Clamp always perpendicular — does away with spreading or bending when tightened around cable . . . Visible opening for Anti-Short Bushings . . . Strong, rigid and convenient . . . Sides pry off easily — and snap on quickly . . . **FINISH** — japanned or galvanized . . . Conveniently packed in cases of 100.



SC200



BX200



BL225

## RIGID CONDUIT SWITCH BOXES SECTIONAL • SQUARE CORNER • GANGABLE

Catalog No.	DESCRIPTION Length 3 in., Width 2 in.	Standard Package	Weight, lb., per 100
SC200	2 in. deep, one 1/2-in. conduit K.O. in each end and bottom, one 1/2-in. conduit K.O. in each side . . . . .	100	60
SCK200	Same as SC200 except equipped with new work bracket and lath support . . . . .	100	79
SC250	Same as SC200 except 2 1/2 in. deep and two 1/2-in. conduit K.O. on side . . . . .	100	69
SCK250	Same as SC250 except equipped with new work bracket and lath support . . . . .	100	88
SC275	2 3/4 in. deep, one 1/2-in. conduit K.O. in each end and bottom and two 1/2-in. K.O. in each side . . . . .	100	75
SCK275	Same as SC275 except equipped with new work bracket and lath holder . . . . .	100	94

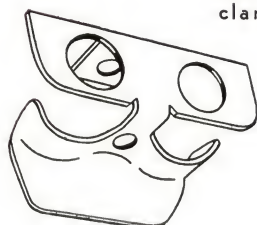
## ARMORED CABLE AND SHEATHED CABLE SWITCH BOXES SECTIONAL • SQUARE CORNER • GANGABLE

Catalog No.	DESCRIPTION Length 3 in., Width 2 in.	Standard Package	Weight, lb., per 100
BX200	2 in. deep, two cable K.O. in each side and each end, four cable K.O. in bottom, two ACBX clamps . . . . .	100	67
BXK200	Same as BX200, except equipped with new work bracket and lath support . . . . .	100	86
BX250	Same as BX200 except 2 1/2 in. deep . . . . .	100	76
BXK250	Same as BX250 except equipped with new work bracket and lath support . . . . .	100	95

## LOOM SWITCH BOXES SECTIONAL • BEVEL CORNER • GANGABLE

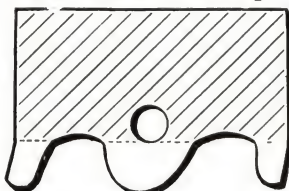
Catalog No.	DESCRIPTION Length 3 in., Width 2 in.	Standard Package	Weight, lb., per 100
BL225	2 1/4 in. deep, two loom K.O. in each side and in each end in bevel, two BL clamps . . . . .	100	67
BLO225	Same as BL225 except without clamps . . . . .	100	64
BLK225	Same as BL225 except equipped with new work bracket and lath support . . . . .	100	86
BLKO225	Same as BLK225 except without clamps . . . . .	100	83

### New ACBX Clamp



This one-piece clamp provides ample space for removal of K.O. without removing clamp.

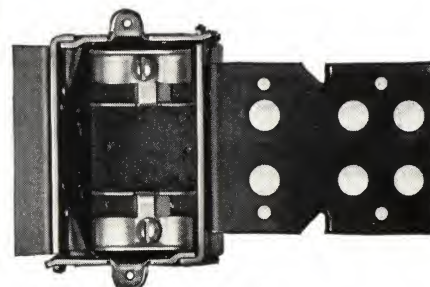
### BL Loom Clamp



New design made to fit the wire snugly without cutting. Cadmium plated screws for fastening to the box.

### New Work Bracket Support

**K Series**  
This bracket is of heavy steel and is riveted securely to the side of the switch box. When fastened to studing, the bracket holds the box flush to the plaster line — holes in bracket keep plaster to bracket. This bracket insures a firm, rigid installation, due to lath support the full length of the switch box.





# PAINE IMPROVED ADJUSTABLE RADIATOR BRACKET 16 53

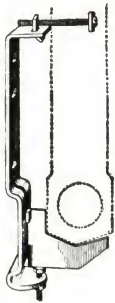


Fig. 830

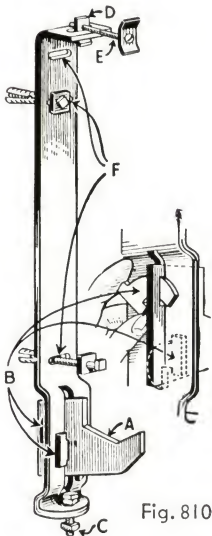


Fig. 810

Foot bracket may be installed after wall bracket has been securely anchored to wall.

## Full Adjustability

Adjustments are provided for as follows: foot bracket (A) 1-in. up or down—wall-piece (F) and 1/4-in. horizontally. These working tolerances effect genuinely worthwhile savings in time and labor costs.

## A Marvel of Simplicity and Efficiency

An exceptionally simple, efficient, easy to use radiator bracket. Complete with wall-piece of 3/16 in. pressed steel 2 1/2 in. wide, foot bracket of 1/8 in. stock. Two metal keys for securing the foot bracket to wall-piece, one holding bolt with shaped washer and nut.

## SAFE LOADS

TYPE A		TYPE B	
1 & 2 tubes,	500 lbs. per bracket	1 & 2 tubes,	450 lbs. per bracket
3 tubes,	400 lbs. per bracket	3 tubes,	350 lbs. per bracket
4 tubes,	300 lbs. per bracket	4 tubes,	275 lbs. per bracket
5 tubes,	275 lbs. per bracket	5 tubes,	250 lbs. per bracket
6 tubes,	250 lbs. per bracket	6 tubes,	225 lbs. per bracket

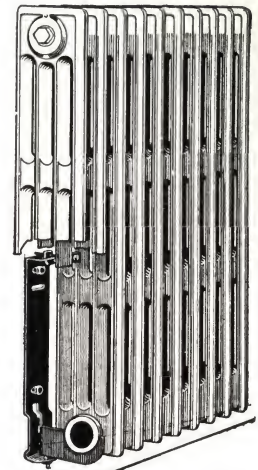


Fig. 820

## QUICK AND CONVENIENT—SAVES TIME ON THE JOB

After the holes have been centered and drilled, affix the Wall Bracket loosely. Slip the Foot Bracket (A) into the vertical slot at the bottom of the wall bracket and insert the two metal keys (B)—one behind the wall piece and one in front of it.

Tighten entire bracket securely to the wall when the correct position for it is known.

Set the radiator on the bracket and insert the machine screw with Angular Washer (E)

through the radiator tubes and, screwing on hook nut, (D) slide into top of bracket.

Set the vertical Adjusting Screw (C) to proper position and then tighten Machine Screw (E).

Now the radiator is held securely and firmly at both top and bottom. We recommend the 10-in. bracket for radiators up to and including 20 in. in height. For radiators more than 20 in. in height, use the 16-in. bracket.

*The use of two anchoring bolts or lag screws, with or without shields, is recommended where load on bracket is in excess of 50% of safe load estimate.*

## YOUR CHOICE OF THESE PAINE ANCHORING DEVICES

### Angle Bolt with Nut



Fig. 975

For New Work Three pieces—the bolt, a nut and a washer. Bolt is set in wall during construction. Choice of 6, 8 or 10 inch length. Bolt has two inch angle and is threaded 1 1/2 inches.

### Paine Malleable Lag Screw Shield



Fig. 967

Used for lag screw when set in concrete, brick, stone and other solid materials. For use with lag screw 3/8"x3".

### Paine Lead Expansion Anchor



Fig. 910

For use in concrete, brick or other solid material. See page on Paine Lead Expansion Anchors for complete information. Size supplied with radiator bracket is 3/8"x3".

### Paine Steel Expansion Anchor



Fig. 925

For use in concrete, brick, marble, slate, stone and similar solid materials. See page on Paine Steel Expansion Anchors for complete information. Size supplied with radiator bracket, 3/8"x3".

*One with each 10-in. Wall Bracket; two with each 16-in. Wall Bracket.*

# Specifications

## 10-INCH SIZE

Tube	Number o Case	Weights, l b.	
		Type A	Type B
1 & 2	36	93	97
3	36	101	104
4	36	104	107
5	36	107	110
6	36	110	113

## 16-INCH SIZE

Tube	Number to Case	Weights, lb.	
		Type A	Type B
1 & 2	24	86	88
3	24	92	94
4	24	94	96
5	24	96	98
6	24	98	100

Type A holds radiator 1 1/2-in. from wall (all sizes carried in stock). Type B holds radiator 2 1/2 in. from wall (made on order).

Brackets for stock packed in individual carton, which contains bracket, foot bracket, locking keys, angular washer, and nut, and machine screw.

10-in. Brackets include one 3/8-in. short lag screw shield and 3-in. lag screw. 16-in. Bracket includes two 3/8-in. short lag screw shields and 3-in. lag screws. This makes complete unit ready for installation on any kind of a job. All packed in handy carton—prevents loss of parts and loss of time assembling in the shop.



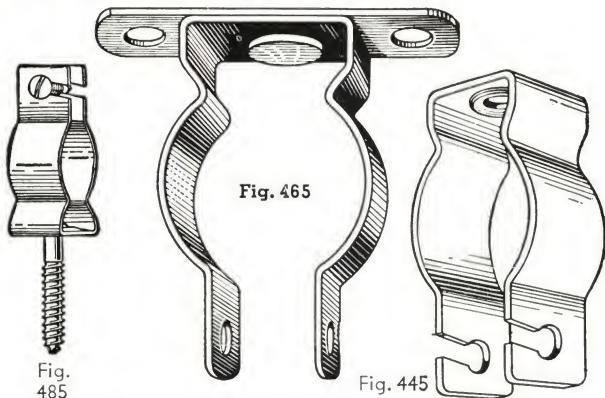
# NEW DESIGN PAINE CABLE AND CONDUIT CLAMPS



Available with Paine Patented Slot or Standard Round Hole. Paine Cable and Conduit Clamps with the Patented Slot offer an exclusive Paine feature and a marvelous time saving convenience.

Now, you merely slip the bolt, with nut already on, into the slot, tighten the nut . . . and the job is done. There is no longer any

need for fussing and fumbling, the old, "three hands" irritating way, wasting time trying to squeeze the clamp together and tie the nut to the bolt at the same time. These clamps hold conduit or pipe away from wall or ceilings—insuring longer life.



Improved Cable Clamp

The preferred clamp for use on cross arms, poles and similar work. With a malleable shield, it may also be used in solid materials such as brick, stone and concrete. The lag screw is gimlet pointed, riveted to the clamp base . . . and the entire assembly is then hot-dip galvanized—strong, secure and lasting.

Furnished galvanized only.

Flat Base Cable Clamp

This clamp has a wide, flat base with a round hole at each end for attaching. Most accurate, snug fitting clamp, giving universal satisfaction. Galvanized or black enamel finish and with Paine Patented Bolt Slot or Round Bolt Hole as specified.

Paine Improved Conduit Clamp

The snug round fit and the Paine patented bolt slot in this clamp make it, say users, the lowest cost, most satisfactory conduit clamp ever designed. It is supplied with a cadmium plated bolt and nut of the right size for the clamp. May be had in black enamel finish or galvanized, as specified.

With or Without Patented Slot—With Correct Size Cadmium Plated Stove Bolts

Size of Conduit, in.		Size of 250 Volt Lead Covered Cable	Fig. 485 Cable Clamp Lag Screw Base			Fig. 465 Cable Clamp Flat Base			Fig. 445 Conduit Clamp		
Rigid	Thin Wall		Mfgs. No.	No. to pkg.	Wt. lb.	Mfgs. No.	No. to pkg.	Wt. lb.	Mfgs. No.	No. to pkg.	Wt. lb.
3/8-1/2	1/2	3C No. 14 to 7C No. 14	C0	100	5	F0	100	5 1/2	0	100	4 1/2
3/4	3/4	No. 1 to 4-0	C1	100	8 1/2	F1	100	9	1	100	7 1/2
1	1	No. 4-0—300 M	C2	50	7	F2	50	8	2	100	10
1 1/4	1 1/2	500 M to 750 M	C3	50	8 1/2	F3	50	9	3	100	12
1 1/2	1 1/2	800 M to 1125 M	C4	50	10	F4	50	11	4	100	14
2	2	1500 M	C5	25	6 1/2	F5	25	7 1/4	5	50	11
2 1/2	2 1/2	200 M (3C 4-0)	C6	25	8	F6	25	8 3/4	6	50	12 1/2

## Hanger Ring and Bolt

Supplied in 15 sizes—made from galvanized or black stock. Nicely finished . . . no rough edges. Snug fitting, accurately made and fitted with precision thread bolt and nut.



Fig. 600

1/2 to 1 1/2-in. packed 100 to a sack. 2 to 4 1/2; 50 to a sack, 5 to 6-in.; 25 to a sack. Over 6-in.; as ordered. Specify Black or Galvanized Stock.

Size of Pipe, in.	Gauge of Steel	Width of Steel, in.	Size of Bolt, in.	Wt., lb., per 100
3/8-1/2	16	3/4	1/4	7 1/2
1/2	16	3/4	1/4	8.9
1	16	7/8	1/4	10
1 1/4	16	7/8	1/4	14
1 1/2	16	7/8	1/4	15
2	14	1	1/4	24
2 1/2	14	1	1/4	28
3	12	1 1/8	5/16	46
3 1/2	12	1 1/8	5/16	48
4	12	1 1/8	5/16	58
4 1/2	12	1 1/8	5/16	72
5	12	1 1/8	5/16	80
6	12	1 1/8	5/16	92
7	10	1 1/4	3/8	187
8	10	1 1/4	3/8	212

## Threaded Rod



Fig. 620

Brass or steel as specified. Precision threaded. Available in 10—24 and 1/4—20 diameters, 24-in. lengths. Odd diameters and lengths made up special.

## BX Staples

Points are offset so they will not split the lumber.



Fig. 615

## Pipe Straps

Prominent bead — or center rib — makes this strap STRONG. You'll like its uniformity of gauge and the snug form fit of all Paine Pipe Straps.

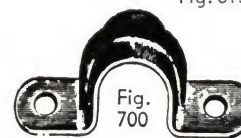


Fig. 700

## Romex Straps



No. 201-1 Hole



No. 201-2 Hole

### One Hole and Two Hole

For Sheathed Cable. Made of 22-gauge galvanized stock with prominent center rib assuring great strength.

No. 201—1 Hole—14-2 and 12-2 wire, 98 to lb.

No. 201—2 Hole—10-2 wire, 80 to lb.

Size, in.	Pieces per Lb.	Gauge Material	Inside Diam. of Strap, in.
1/8	120	20	.405
1/4	124	20	.540
3/8	65	22	.540
1/2	54	22	.675
	41	22	.840
3/4	24	20	1.050
1	12	18	1.315
1 1/4	12	18	1.660
1 1/2	11	18	1.900
2	9	18	2.375
2 1/2	8	18	2.875
3	7	18	3.500
3 1/2	6	18	4.000
4	5	18	4.500

## Paine Adjustable Combination Pipe Hanger

Consists of a 6-in. length of perforated hanger iron with a gimlet pointed lag screw at one end and a pipe ring at the other. Both are fastened to the hanger iron with a bolt and nut. Splendidly adapted to use in

odd places or where-

ever a wide margin of adjustability is required. Hanger iron, lag screw and pipe ring are of the proper size, making a complete unit correctly proportioned for best service.

All sizes carried in stock—Galvanized or Black. Sizes to 2 1/2 in. in bags of 50 and 100. Larger sizes, bags of 25.

Size Ring Diam., in.	Lag Screw		Weight, lbs., per 100
	Diam. in.	Length in.	
3/4	5/16	3 1/2	31 1/4
1	5/16	3 1/2	31 1/4
1 1/4	5/16	3 1/2	31 1/4
1 1/2	5/16	3 1/2	31 1/4
2	3/8	4	50
2 1/2	3/8	4	75
3	3/8	4	81
3 1/2	1/2	5	88
4	1/2	5	100



Fig. 560

## Paine Flattened End Lag Screw With Bolt

Precision rolled and gimlet pointed. Fitted with stove bolt at flattened end. Lag screw is accurately threaded (threads per inch) for use with malleable shield.



Fig. 650

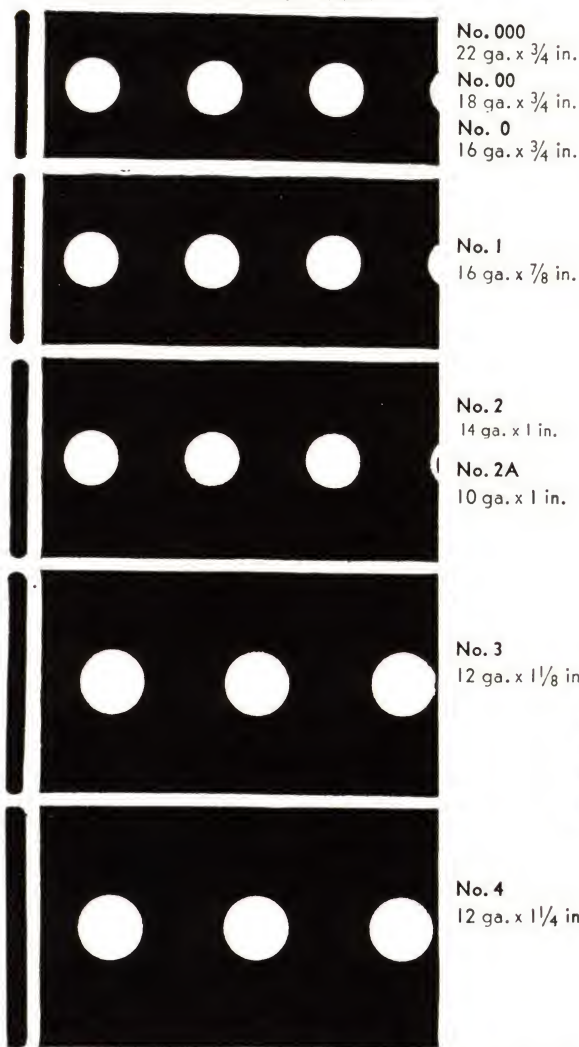
Size, in.	Weight, lb., per 1000	Bolt Used, in.
1/4 x 3	40	1/4 x 3/4
5/16 x 3 1/2	77 1/2	1/4 x 3/4
3/8 x 4	110	1/4 x 3/4
1/2 x 5	245	5/16 x 3/4



# PERFORATED HANGER IRON

Also Known as Strap Iron or Extension Bar

ACTUAL WIDTHS ILLUSTRATED



No. 000  
22 ga. x  $\frac{3}{4}$  in.  
No. 00  
18 ga. x  $\frac{3}{4}$  in.  
No. 0  
16 ga. x  $\frac{3}{4}$  in.

No. 1  
16 ga. x  $\frac{7}{8}$  in.

No. 2  
14 ga. x 1 in.

No. 2A  
10 ga. x 1 in.

No. 3  
12 ga. x  $1\frac{1}{8}$  in.

No. 4  
12 ga. x  $1\frac{1}{4}$  in.

Illustration (left) shows actual widths and the gauges in which Paine Perforated Hanger Iron (Strap Iron or Extension Bar) is available from stock.

Supplied in standard Black Stock or Hot dipped Galvanized finish. Made from mild steel band with milled edge (rounded). Big stock carried in all sizes listed . . . in 5 and 10-ft. lengths, bundles of 100 ft. and shipped in 500-ft. bundles. All perforations accurate — clean cut with no burr or sharp edge.

Galvanized before fabrication supplied only in 4-ft. length at regular prices. Slit edge stock, free of burrs and 75% covered with rust-resisting galvanizing.

No.	Width, in.	Gauge	Hole Size, in.	Centers, in.	Safe Load, lb.	Weight, lb., per 100 Ft.
000	$\frac{3}{4}$	22	$\frac{1}{4}$	$\frac{1}{2}$	500	7
00	$\frac{3}{4}$	18	$\frac{1}{4}$	$\frac{1}{2}$	520	12
0	$\frac{3}{4}$	16	$\frac{1}{4}$	$\frac{1}{2}$	540	13 $\frac{1}{2}$
1	$\frac{7}{8}$	16	$\frac{1}{4}$	$\frac{1}{2}$	685	14 $\frac{1}{2}$
2	1	14	$\frac{5}{16}$	$\frac{3}{8}$	975	25
2A	1	10	$\frac{5}{16}$	$\frac{3}{8}$	1480	38
3	$1\frac{1}{8}$	12	$\frac{3}{8}$	$\frac{3}{4}$	1350	32
4	$1\frac{1}{4}$	12	$\frac{3}{8}$	$\frac{3}{4}$	1580	35

## COILED STOCK OR PLUMBERS' TAPE



Fig. 500A

10-ft. lengths,  $\frac{3}{4}$ -in. x 22 gauge standard cadmium plated. All other sizes black standard. Hot Dipped Galvanizing 5 cents per pound net, additional. Provides easier stocking in small space. Easily handled and most convenient for workman's kit.

This important item forgotten may tie up the job. Eliminate stoppage of work by always carrying it handy for calls.



Fig. 500

*Special Requirements*

Paine perforated hanger iron (strap iron or extension bar) will be supplied in special lengths, gauges and perforations at a cost surprisingly low, with any size holes or centers.

## Improved "SNUGFIT" Wire Pipe Hook



Fig. 610

Fits snug around the pipe, and covers a greater part of the pipe circumference than other pipe hooks. This specially developed Paine feature serves to hold pipe in the desired position. Its prominent head facilitates driving of the spike. You'll find Paine advantages make this pipe hook most convenient, economical and desirable.

WEIGHT IN POUNDS, PER 1000

Pipe Sizes, In.	Length of Hook, In.			
	4	6	8	10
$\frac{1}{2}$	65	87 $\frac{1}{4}$	110	130
$\frac{3}{4}$	65 $\frac{1}{4}$	87 $\frac{3}{4}$	111	133
1	65 $\frac{1}{2}$	88 $\frac{1}{4}$	112	135 $\frac{3}{4}$
$1\frac{1}{4}$	65 $\frac{3}{4}$	88 $\frac{3}{4}$	113	137
$1\frac{1}{2}$	66 $\frac{1}{2}$	89 $\frac{1}{4}$	114	138 $\frac{1}{4}$
2	67 $\frac{1}{4}$	92	116	140 $\frac{1}{2}$

## Paine Star Drills



Fig. 375

Extremely hard and tough. Pierce the hardest material, from seasoned concrete to blue granite.

Because of the Paine Company's long experience with construction requirements, we are able to offer this, the best star drill it is possible to secure.

Small sizes, 12 to package. Larger sizes, 6 to package.

Diam., in.	Length, in.	Weight, lb. per Doz.	Diam., in.	Length, in.	Weight, lb. per Doz.	Diam., in.	Length, in.	Weight, lb. per Doz.
$\frac{1}{4}$	8	$\frac{3}{4}$	$\frac{5}{8}$	8	4 $\frac{3}{4}$	$1\frac{1}{4}$	8	27
	12	1 $\frac{1}{4}$		12	7 $\frac{1}{4}$		12	39 $\frac{3}{4}$
	18	2		18	11 $\frac{1}{4}$		18	52
	24	2 $\frac{1}{2}$		24	15 $\frac{1}{4}$		24	
$\frac{5}{16}$	8	1 $\frac{1}{8}$	$\frac{3}{4}$	8	5 $\frac{1}{4}$	$1\frac{3}{8}$	8	25
	12	2 $\frac{1}{8}$		12	8 $\frac{1}{2}$		12	38 $\frac{3}{4}$
	18	3 $\frac{1}{4}$		18	13		18	52 $\frac{1}{2}$
	24	4 $\frac{1}{4}$		24	17 $\frac{1}{2}$		24	
$\frac{3}{8}$	8	1 $\frac{1}{8}$	$\frac{7}{8}$	8	8 $\frac{1}{4}$	$1\frac{1}{2}$	8	25 $\frac{1}{2}$
	12	3 $\frac{1}{4}$		12	10 $\frac{1}{2}$		12	39
	18	5		18	16		18	53
	24	6 $\frac{1}{2}$		24	21 $\frac{1}{2}$		24	
$\frac{7}{16}$	8	2 $\frac{1}{4}$	1	8	9 $\frac{1}{2}$	$1\frac{5}{8}$	8	26 $\frac{1}{2}$
	12	3 $\frac{3}{8}$		12	13		12	39 $\frac{1}{2}$
	18	5 $\frac{1}{4}$		18	19 $\frac{1}{2}$		18	53 $\frac{1}{2}$
	24			24	27		24	
$\frac{1}{2}$	8	3 $\frac{3}{8}$	$1\frac{1}{8}$	8	15 $\frac{1}{2}$	$1\frac{3}{4}$	8	27 $\frac{1}{2}$
	12	4 $\frac{3}{4}$		12	28 $\frac{3}{4}$		12	41
	18	7 $\frac{1}{2}$		18			18	54 $\frac{1}{2}$
	24	9 $\frac{3}{4}$		24	37		24	
$\frac{9}{16}$	8	4 $\frac{1}{4}$						
	12	6 $\frac{1}{4}$						
	18	9 $\frac{1}{2}$						
	24	13 $\frac{1}{4}$						



1912

1938

# **P A I N E P R O D U C T S**



## *Keep Step with the March of Time*

### **PANAMA CANAL**

Paine Toggle Bolts, Expansion Anchors, and other products by the many, many thousands helped speed the work and build for permanence in the Panama Canal. Read the specifications of those who know and—chances are—you'll find they call for Paine products where the most rigid requirements are met with.

### **CHRYSLER BUILDING**

Paine keeps step with Progress. In that monument to modern engineering, the Chrysler Building, you will find Paine products satisfyingly performing their intended job of insuring security and permanence.

### **MAMMOTH BRIDGES**

Securely anchoring electrical work, railings and many other fixtures in

these vast structures are only a few of the innumerable uses for Paine products. Check with specifications of leading architects and builders and you'll double-check on Paine.

### **THEATERS**

Every year, millions of units of Paine products go into anchoring the seating arrangements of theaters, stadiums, ball-parks and similar structures. Over a period of more than a quarter of a century, Paine has led the field for advanced design and skillful manufacture of many types of anchoring devices.

### **MOBILE USE**

The use of Paine products is not confined to stationary structures. The very car you drive, the modern railroad

train, airplanes, all of them employ such products.

### **IN THE HOME**

The home owner can use Paine products with great convenience and saving of time and labor. They solve many an anchoring problem and may be used without special skill or training.

### **P A I N E A N C H O R I N G D E V I C E S U S E D T H R O U G H - O U T T H E W O R L D**

The use of Paine Anchoring Devices extends throughout the civilized world. Expert workmanship, correct design and consistently high manufacturing standards have built for Paine Products a well-earned reputation for leadership in their field. You can depend on them at all times.